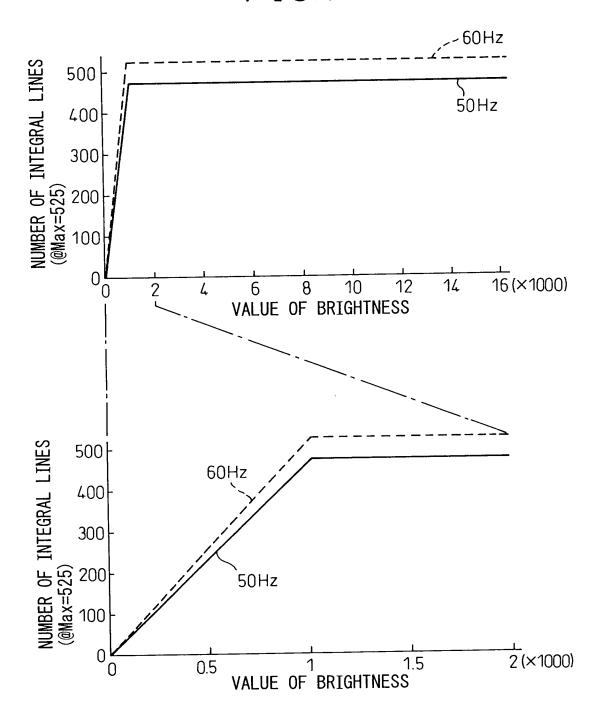
FIG.1





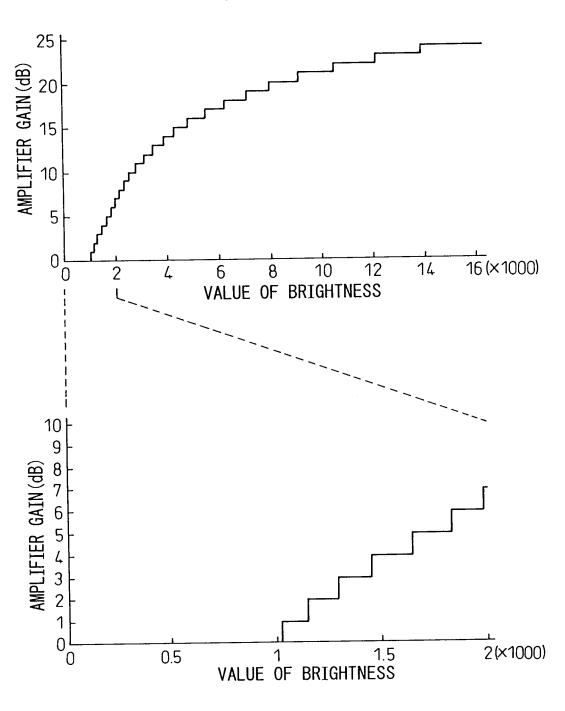
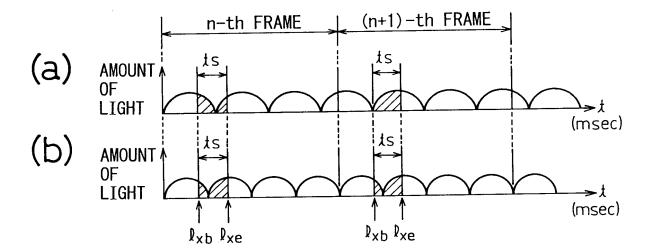


FIG.3



4/10

FIG.4

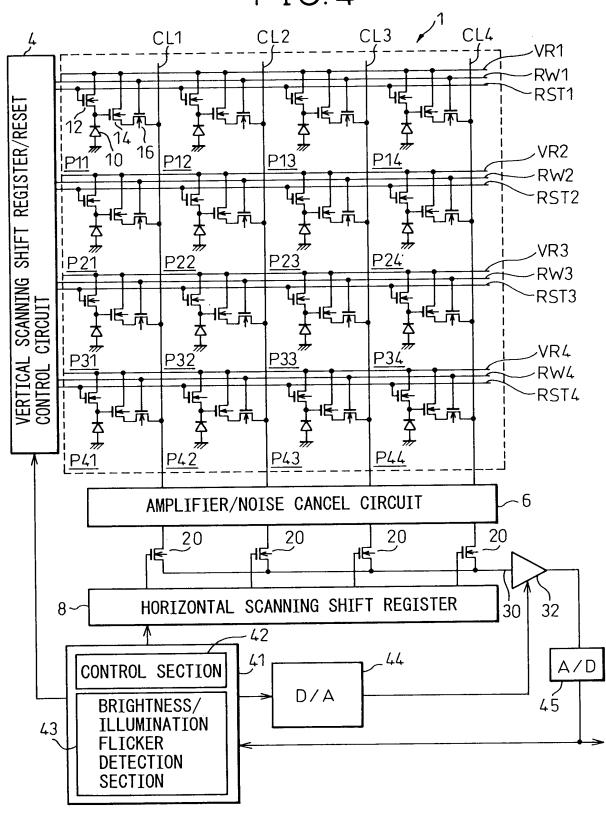
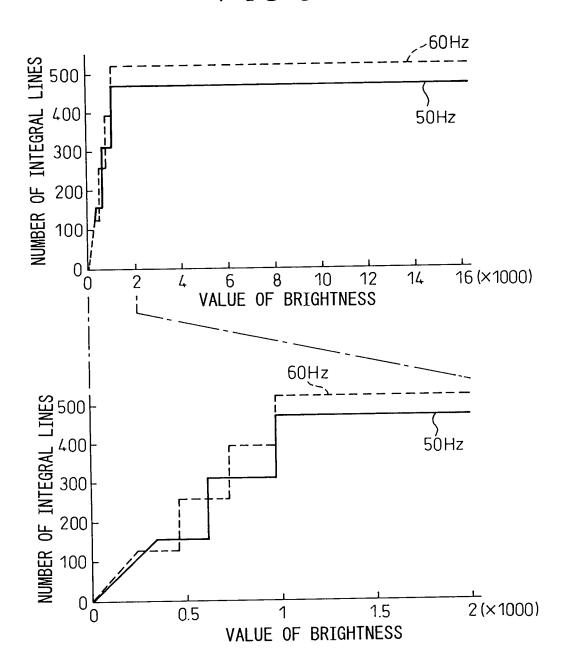


FIG.5





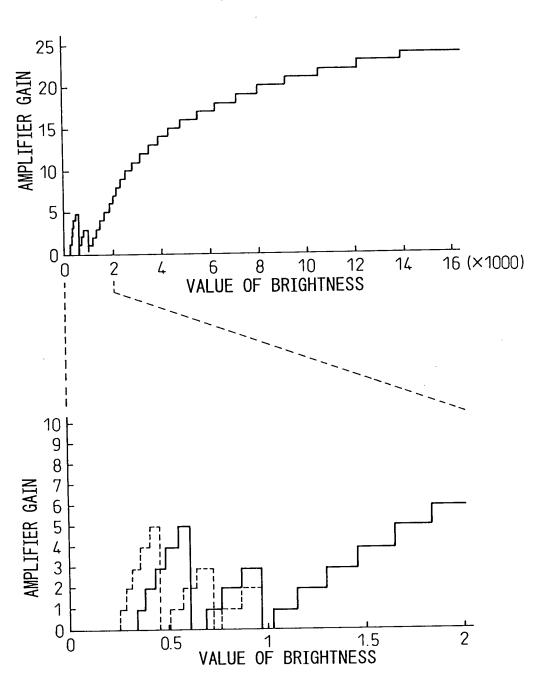


FIG.7

CONTROL VALUES OF AUTOMATIC GAIN CONTROL (50Hz)

VALUES OF BRIGHTNESS AMPLIFIER GAIN STORAGE TIME 0 ~ 341 0dB 0 ~ 33msec × 0. 3 342 ~ 383 1dB 33msec × 0. 3 384 ~ 431 2dB 33msec × 0. 3 432 ~ 485 3dB 33msec × 0. 3 486 ~ 549 4dB 33msec × 0. 3 550 ~ 609 5dB 33msec × 0. 6 684 ~ 767 1dB 33msec × 0. 6 768 ~ 863 2dB 33msec × 0. 6 864 ~ 969 3dB 33msec × 0. 9 1025 ~ 1151 1dB 33msec × 0. 9 1152 ~ 1295 2dB 33msec × 0. 9 1296 ~ 1455 3dB 33msec × 0. 9 1456 ~ 1647 4dB 33msec × 0. 9 1832 ~ 1983 6dB 33msec × 0. 9 1984 ~ 2151 7dB 33msec × 0. 9 2152 ~ 2343 8dB 33msec × 0. 9 2244 ~ 2543 9dB 33msec × 0. 9 2344 ~ 2543 9dB 33msec × 0. 9 2496 ~ 4831 1dB 33msec × 0. 9 2496 ~ 4831	CONTROL VALUE		TATIL CONTINUE (CONE)
0~341 0dB 0~33msec × 0. 3 342~383 1dB 33msec × 0. 3 384~431 2dB 33msec × 0. 3 432~485 3dB 33msec × 0. 3 486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 6 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 970~1024 0dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 22544~2807 10dB 33msec × 0. 9 2264~2807 10dB 33msec × 0. 9 3480~3319 11dB 33msec × 0. 9 3480~3379 12dB 33msec × 0. 9		5	0Hz
342~383 1dB 33msec × 0. 3 384~431 2dB 33msec × 0. 3 432~485 3dB 33msec × 0. 3 486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 6 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 864~969 3dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2244~2543 9dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 3480~387 10dB 33msec × 0. 9 3480~387 13dB 33msec × 0. 9 4832~5495 14dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 5496~6	BRIGHTNESS	AMPLIFIER GAIN	STORAGE TIME
384~431 2dB 33msec × 0. 3 432~485 3dB 33msec × 0. 3 486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 6 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 970~1024 0dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4832~5495 14dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 <td< td=""><td>0~341</td><td>0dB</td><td>$0\sim33$msec$\times0.3$</td></td<>	0~341	0dB	$0\sim33$ msec $\times0.3$
432~485 3dB 33msec × 0. 3 486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 6 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 864~969 3dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~4831 15dB 33msec × 0. 9 4832~5495 14dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 <t< td=""><td>342~383</td><td>1dB</td><td>33msec\times0.3</td></t<>	342~383	1dB	33 msec \times 0.3
486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 3 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 864~969 3dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4432~5495 14dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9	384~431	2dB	33 msec \times 0.3
486~549 4dB 33msec × 0. 3 550~609 5dB 33msec × 0. 3 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 864~969 3dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4432~5495 14dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9	432~485	3dB	33 msec \times 0. 3
550~609 5dB 33msec × 0. 3 610~683 0dB 33msec × 0. 6 684~767 1dB 33msec × 0. 6 768~863 2dB 33msec × 0. 6 864~969 3dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4432~5495 14dB 33msec × 0. 9 4838~4295 14dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 </td <td></td> <td></td> <td>33msec \times 0. 3</td>			33 msec \times 0. 3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	550~609	5dB	33 msec \times 0. 3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	610~683	0dB	33msec×0.6
864~969 3dB 33msec × 0. 6 970~1024 0dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1648~1831 5dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~387 13dB 33msec × 0. 9 3480~387 13dB 33msec × 0. 9 4296~4831 15dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec	684~767		33 msec \times 0.6
970~1024 0dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1648~1831 5dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4296~4831 15dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9	768~863	2dB	33 msec \times 0.6
970~1024 0dB 33msec × 0. 9 1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1648~1831 5dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4296~4831 15dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9	864~969		33 msec \times 0.6
1025~1151 1dB 33msec × 0. 9 1152~1295 2dB 33msec × 0. 9 1296~1455 3dB 33msec × 0. 9 1456~1647 4dB 33msec × 0. 9 1648~1831 5dB 33msec × 0. 9 1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3480~3479 12dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 388~4295 14dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9	970~1024		33msec × 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1025~1151	1dB	33msec × 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1296~1455	3dB	33 msec \times 0.9
1832~1983 6dB 33msec × 0. 9 1984~2151 7dB 33msec × 0. 9 2152~2343 8dB 33msec × 0. 9 2344~2543 9dB 33msec × 0. 9 2544~2807 10dB 33msec × 0. 9 2808~3119 11dB 33msec × 0. 9 3120~3479 12dB 33msec × 0. 9 3480~3887 13dB 33msec × 0. 9 4296~4831 15dB 33msec × 0. 9 4832~5495 16dB 33msec × 0. 9 5496~6255 17dB 33msec × 0. 9 7120~7999 19dB 33msec × 0. 9 8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9	1456~1647	4dB	33 msec \times 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1648~1831	5dB	33 msec \times 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1832~1983	6dB	33 msec $\times 0.9$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1984~2151	7dB	33 msec \times 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2152~2343	8dB	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		9dB	33 msec \times 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2544~2807	10dB	33 msec \times 0.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3120~3479	12dB	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3480~3887	13dB	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4296~4831		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
7120~7999 19dB 33msec × 0. 9 8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9			
8000~9135 20dB 33msec × 0. 9 9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9			
9136~10527 21dB 33msec × 0. 9 10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9			
10528~12127 22dB 33msec × 0. 9 12128~13951 23dB 33msec × 0. 9			
12128~13951 23dB 33msec × 0. 9	9136~10527		
13952~16383			
	13952~16383	24dB	33msec × 0.9

8/10 FIG.8 CONTROL VALUES OF AUTOMATIC GAIN CONTROL (60Hz)

CONTINUE VALUES	OF AUTOMATIC GA	IIN CUNTRUL (BUHZ)
VALUES OF	6	OHz
BRIGHTNESS	AMPLIFIER GAIN	STORAGE TIME
0~255	0dB	$0\sim33$ msec $\times0.25$
256~285	1dB	33msec × 0.25
286~321	2dB	33msec × 0.25
322~361	3dB	33msec × 0. 25
362~407	4dB	33msec × 0. 25
408~457	5dB	33msec × 0. 25
458~511	0dB	33 msec \times 0.5
512~573	1dB	33msec × 0.5
574~645	2dB	33msec × 0.5
646~725	3dB	33msec × 0.5
726 ~ 767	0dB	33msec × 0.75
768~863	1dB	33msec × 0.75
864~969	2dB	33 msec \times 0.75
970~1024	0dB	33msec
1025~1151	1dB	33msec
1152~1295	2dB	33msec
1296~1455	3dB	33msec
1456~1647	4dB	33msec
1648~1831	5dB	33msec
1832~1983	6dB	33msec
1984~2151	7dB	33msec
2152~2343	8dB	33msec
2344~2543	9dB	33msec
2544~2807	10dB	33msec
2808~3119	11dB	33msec
3120~3479	12dB	33msec
3480~3887	13dB	33msec
3888~4295	14dB	33msec
4296~4831	15dB	33msec
4832~5495	16dB	33msec
5496~6255	17dB	33msec
6256~7119	18dB	33msec
7120~7999	19dB	33msec
8000~9135	20dB	33msec
9136~10527	21dB	33msec
10528~12127	22dB	33msec
12128~13951	23dB	33msec
13952~16383	24dB	33msec

FIG.9

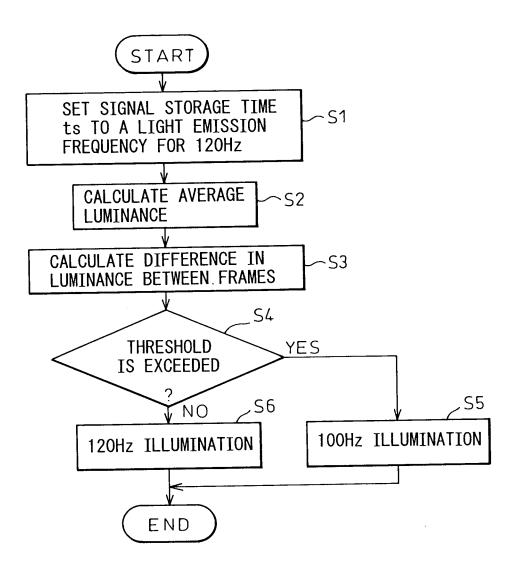


FIG.10

